

NAME OF PROPERTY

SHALE, HC

OBJECT LOCATED -Junction of Phantom Creek and Yakoun River.

UNCERTAINTY IN METRES 50. Lat. 53°23'03" Long. 132°16'35"

Mining Division Skeena District Queen Charlotte

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The property is underlain by Triassic and Jurassic Kunga and Maude Formations which locally contain oil-bearing black argillites and shales. The Kunga Formation, mainly limestone and argillite, rests conformably on the Karmutsen Formation and may be overlain conformably by the Maude Formation or disconformably by the Yakoun Formation. The Kunga Formation is divisible into three members of contrasting lithologies: a massive grey limestone member, a middle thinly bedded black limestone member, and an uppermost thinly bedded black argillite member. The latter is the formation which seems to carry the major portion of oil shale. It is composed of black argillite, minor black limestone, grey clastic limestone, cellular weathering bioclastic limestone, dark-grey lithic sandstone, and thin bedded calcareous shale.

On the east side of the Yakoun River opposite Phantom Creek a 200-300 foot section of oil shale is exposed which strikes NE and dips 15° south. Another exposure, some 3 miles up Ghost Creek and 2.5 miles northwest of the Phantom Creek exposure, consists of a 100 foot thick section of oil shale striking east-west and dipping 15° north.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located north of Yakoun Lake, on Graham Island, Queen Charlotte Islands.

The Shale and HC claim groups extend across sections of the Yakoun River, and Phantom and Ghost Creeks. Some prospecting, sampling, and test work was reported carried out on these showings by a Nick Clarke and associates in 1921.

Skaist Mines Ltd. by a November 1974 option agreement acquired a 70% interest in 211 claims in the Shale, HC, and HB groups. The claims were optioned from Toni Holdings & Management Ltd., owned by Dieter Ludwig and Susanne Robertson, of Vancouver, and the Hanovarian Syndicate, owned by Hans Buhr & associates, of Vancouver.

*1978 - Interest in claims
 Lined up for sale
 (Dec 10/78, 20)*

HISTORY OF PRODUCTION

REFERENCES

Amendolagine, E.; Property Examination for Skaist Mines Ltd. on Shale, HC and OS claim groups - in Skaist Mines Ltd. Statement of Material Facts, December 1974. +

Brown, A. Sutherland; Geology of the Queen Charlotte Islands, British Columbia; Bulletin No. 54, pp. 50-60, British Columbia Dept. of Mines, 1968. +++

Mackenzie, J.D.; Geology of Graham Island, British Columbia; Memoir 88, p. 171, Geol. Surv. of Canada, 1916.

Report of Minister of Mines, British Columbia: 1921, p. 38. ++

MAP REFERENCES

Geology of the Queen Charlotte Islands, Sc. 1:125,000, Fig. 5, Sheet B - accomp. Bulletin No. 54, British Columbia Dept. of Mines, 1968.

Map 103 F/8 W, Yakoun Lake, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	11-75						